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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/179,405	10/27/1998	KI-YOUNG KIM	1293.1050/MD	5634

21171 7590 02/23/2005

STAAS & HALSEY LLP
SUITE 700
1201 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

EXAMINER

DEANE JR, WILLIAM J

ART UNIT	PAPER NUMBER
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2642

DATE MAILED: 02/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/179,405

Applicant(s)

KIM ET AL.

Examiner

William J Deane

Art Unit

2642

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 September 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 20 and 21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 20 and 21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>1</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Drawings

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the Internet and the 1st and 2nd lines must be shown or the feature(s) canceled from the claim(s). In addition, there is a question as to whether the telephone and plug-in are in series or in parallel. The drawing appears to show them in series. Is this correct? No new matter should be entered.

Corrected drawing sheets are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 103

Claims 20 – 21 are rejected under 35 U.S.C. 103(a) as being obvious over U.S. Patent No. 6,091,808 (Wood et al.) or, in the alternative, under 35 U.S.C. 103(a) as obvious over Wood et al. in view of U.S. Patent No. 5,764,736 (Shachar et al.).

With respect to claims 20 and 21, Wood et al teach a number searching system comprising: a phone (10); a telephone number database (42); a web server (34); an information terminal 12 (see Col. 3, lines 49 - 55) which displays a search for telephone number (see Fig. 3, element 68) and a telephone plug-in which automatically dials the displayed number (Compare page 6, lines 6 - 13 of the present application with Col. 6, line 56 - Col. 7, line 5 of Wood et al.). Note the telephone is connected to a second telephone line 14 of Fig 1. Note that both the telephone 10 and the information terminal 12 are both operable by a user. With respect to the connection of the plug-in to a web browser, second telephone line and the telephone see Fig 1. Therefore, Wood et al. teaches the claimed limitations except for the plug-in dialing the selected number independent of the web server.

The examiner notes Wood et al teach (col. 6, line 56 - col.7, line 9) that:
"On clicking the DIAL button 75 [Fig. 3], the web page manager 36 communicates a message, containing ... a called telephone number DN from the windows 68 [Fig. 3]... to the call control interface 46, via which this message is forwarded.... to the telephone switch 16. The switch 16 checks validity of the telephone numbers and that the subscriber's telephone 10 (calling telephone number CN) is on-hook, and provides a (possibly distinctive) ringing signal to the telephone 10. The

subscriber, expecting this ring signal, takes his telephone 10 off-hook, and this is detected by the telephone switch 16 in conventional manner, in response to which the switch 16 sets up the desired telephone connection to the called number DN in the same manner as if the number DN had been dialed by the subscriber at the telephone 10." [Emphasis added]. When the subscriber at the telephone 10 dials a called directory number DN, the telephone switch 16 connects the call to the dialed DN independent of the web facility 22/web server 34 ("normal telephone call").

On one hand, clicking the dial button 75, as described above, may be read as the claimed "plug-in" having the ability to set-up the communication channel. In addition, note the definition of "plug-in" as defined by Harry Newton, Newton's Telecom Dictionary, March 1998, Flatiron Publishing, 14th, page 555. Therefore the button 75 performs the function of the plug-in as defined by Newton.

So the distinction between applicant's device and Wood et al. is manual versus automatic. That is, in Wood et al. one could get the information from the browser and then manually dial the number. The channel set up at this point would be independent of the web server. The examiner believes that such a modification would have been obvious to one of ordinary skill in the art. This is in particularly obvious in view of Col. 3, lines 58 – 64). Once the user has the number it would be obvious to automatically dial the number independent of the web server in order to use up less resources.

One the other hand, since the Wood et al reference does not specifically use the exact term "plug-in" or describe the plug-in (as it is inherent as shown above and in Fig.

3 of Wood et al.), the Examiner provided the Shachar reference which explicitly teaches the use of a "plug-in" to set-up a communication channel independent of the web server (Shachar, col. 5, line 60 - col. 6, line 27). The communication channel in Wood et al is set-up using "a personal computer executing browsing software" (Wood et al, Col. 3, lines 58-64). Thus, it would have been more than obvious to use a "plug-in" function as taught by Shachar which sets up the communication channel separate of the web server in the personal computer of Wood et al. in order to free up resources. Plug-ins are software components that extend the capabilities of a web browser to perform different functions such as setting-up a communication channel. The "plug-in" taught by Shachar would provide the Wood et al user with a convenient way to set-up the communication channel separate of the web server. Plug-ins are old in the art and hundreds of plug-ins (software components) have been available for sale for many years.

Response to Arguments

Applicant's arguments with respect to claim 20 - 21 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bill Deane whose telephone number is (703) 306-5838. In addition, facsimile transmissions should be directed to Bill Deane at facsimile number (703) 872-9306.

17Feb05


WILLIAM S. DEANE, JR.
PRIMARY EXAMINER